

P. ENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PC3-090	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/US2004/023917	International filing date (day/month/year) 22/07/2004	(Earliest) Priority Date (day/month/year) 13/08/2003
Applicant PCBU SERVICES, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Inter national Application No
PCT/US2004/023917

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C19/08 C07C19/10 C07C21/18		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/029173 A (PCBU SERVICES INC) 10 April 2003 (2003-04-10) page 36, line 23 - page 42, line 2; tables 16, step, IV	1-35, 49-67
X	EP 0 434 409 A (DU PONT) 26 June 1991 (1991-06-26) Page 8, line 58 - page 9, line 55, in particular page 9, lines 31-35; examples 42-47 ----- -/--	1-3, 5-9, 12-21, 23-35, 49-69, 71-73, 75-83
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the International filing date but later than the priority date claimed "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "S" document member of the same patent family		
Date of the actual completion of the International search 17 January 2005		Date of mailing of the International search report 24/01/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Cooper, S

Form PCT/ISA/210 (second sheet) (January 2004)

page 1 of 2

INTERNATIONAL SEARCH REPORT

Inter- national Application No
PCT/US2004/023917

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 253 410 A (AUSIMONT SPA) 20 January 1988 (1988-01-20) column 2, lines 23-32; claims 1-4,6; examples 1-18	1,2,7, 12-31, 68-81
X	US 6 291 729 B1 (RAO V N MALLIKARJUNA) 18 September 2001 (2001-09-18) the whole document	7,10-22, 27-44, 49-54, 57-61, 68, 70-74, 77-83
X	WO 98/37043 A (MANOGUE WILLIAM H ; SWEARINGEN STEVEN H (US); DU PONT (US); RAO V N MA) 27 August 1998 (1998-08-27) examples 1-6	36-44, 49-54, 57-61, 68, 70-74, 77-83
X	WO 99/51553 A (MANOGUE WILLIAM H ; DU PONT (US); NAPPA MARIO JOSEPH (US); SIEVERT ALL) 14 October 1999 (1999-10-14) examples 4-8	68,69, 71-74, 77-83
X	EP 0 539 989 A (HOECHST AG) 5 May 1993 (1993-05-05) the whole document	49-69, 71-83

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/023917

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03029173	A	10-04-2003	US 2003105368 A1	05-06-2003
			CA 2462100 A1	10-04-2003
			EP 1430010 A2	23-06-2004
			WO 03029173 A2	10-04-2003
			US 2004102661 A1	27-05-2004
			US 2004102662 A1	27-05-2004
			US 2004102660 A1	27-05-2004
			US 2004102663 A1	27-05-2004
			US 2004102664 A1	27-05-2004
EP 0434409	A	26-06-1991	US 5057634 A	15-10-1991
			CA 2032273 A1	20-06-1991
			CA 2298099 A1	20-06-1991
			DE 69013313 D1	17-11-1994
			EP 0434409 A1	26-06-1991
			JP 2613683 B2	28-05-1997
			JP 4145033 A	19-05-1992
EP 0253410	A	20-01-1988	IT 1196518 B	16-11-1988
			CA 1293268 C	17-12-1991
			DE 3777897 D1	07-05-1992
			EP 0253410 A1	20-01-1988
			JP 63093737 A	25-04-1988
			US 4876405 A	24-10-1989
US 6291729	B1	18-09-2001	WO 9617813 A1	13-06-1996
WO 9837043	A	27-08-1998	DE 69825253 D1	02-09-2004
			EP 1428811 A1	16-06-2004
			EP 0964845 A2	22-12-1999
			JP 2001513083 T	28-08-2001
			US 2002115895 A1	22-08-2002
			WO 9837043 A2	27-08-1998
			US 2002035300 A1	21-03-2002
WO 9951553	A	14-10-1999	AU 3378099 A	25-10-1999
			DE 69910995 D1	09-10-2003
			DE 69910995 T2	22-07-2004
			EP 1068167 A1	17-01-2001
			ES 2203108 T3	01-04-2004
			JP 2002510662 T	09-04-2002
			WO 9951553 A1	14-10-1999
			US 6018083 A	25-01-2000
EP 0539989	A	05-05-1993	CA 2081813 A1	02-05-1993
			DE 59208629 D1	24-07-1997
			EP 0539989 A1	05-05-1993
			ES 2104790 T3	16-10-1997
			JP 3249202 B2	21-01-2002
			JP 5221894 A	31-08-1993
			SG 44743 A1	19-12-1997

Form PCT/ISA/210 (patent family annex) (January 2004)